

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Flunisolide

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

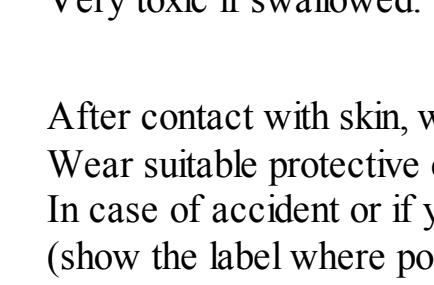
Acute toxicity, Oral (Category 1)

According to European Directive 67/548/EEC as amended.

Very toxic if swallowed.

Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H300 Fatal if swallowed.

Precautionary statement(s)

P264 Wash hands thoroughly after handling.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Hazard symbol(s)

T+ Very toxic

R-phrase(s)

R28 Very toxic if swallowed.

S-phrase(s)

S28 After contact with skin, wash immediately with plenty of soap and water.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 6-Fluoro- 11,16a,17,21 -tetrahydroxypregna-1,4-diene-3,20-dione 16,17-

acetonide

Formula : C24H31FO6

Molecular Weight : 434,50 g/mol

CAS-No.	EC-No.	Classification	Concentration
flunisolide 3385-03-3	222-193-2	- Acute Tox. 1; H300 T+, R28	-

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection

Face shield and safety glasses

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form solid

Safety data

pH no data available

Melting point no data available

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Water solubility no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

no data available

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen fluoride

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - mouse - > 0,5 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

TDLo Oral - rat - 0,630 mg/kg

Remarks: Paternal Effects: Testes, epididymis, sperm duct.

TDLo Oral - rat - 1,05 mg/kg

TDLo Oral - rat - 1,1 mg/kg

TDLo Oral - rat - 0,550 mg/kg

TDLo Oral - rat - 0,026 mg/kg

LD50 Intravenous - rat - > 51 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - rat - > 46 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Intravenous - mouse - > 0,076 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - mouse - > 0,290 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - rat - > 46 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - mouse - > 0,076 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - rat - > 46 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - mouse - > 0,076 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - rat - > 46 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - mouse - > 0,076 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

LD50 Subcutaneous - rat - > 46 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Blood:Aplastic anemia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

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